

Title of Invention: Body Massage Cylinder Apparatus

rev. D00

Inventor: James C. Martinec, United States Citizen born .

Address: 15922 Pilgrim Cir. Huntington Beach CA. 92647 U.S.A.

Invention of conception Date: 5/17/99

Application Date: 11/23/01

Cross Reference: not listed

Research and Development: Done by James C. Martinec exclusively, No sponsored Research and Development.

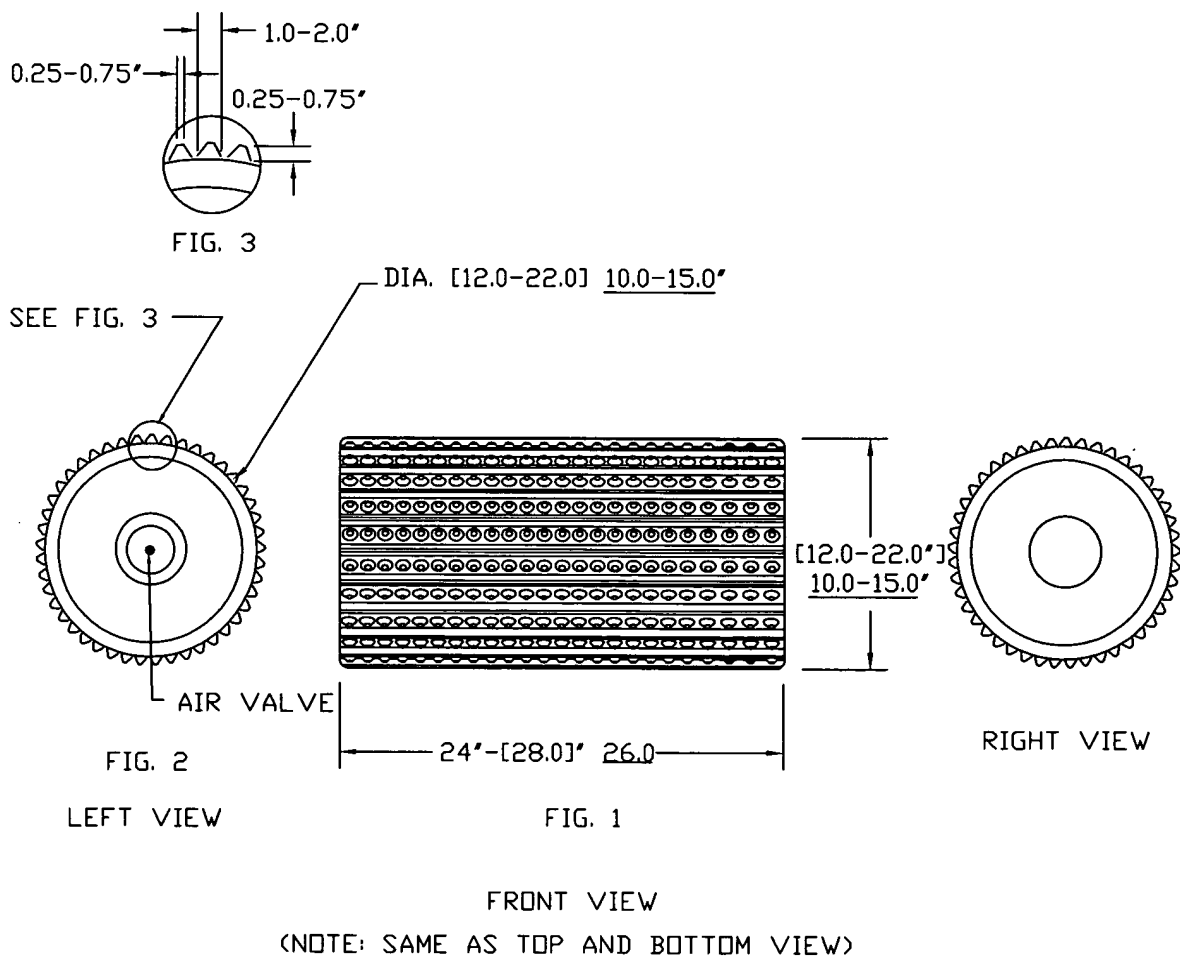
Reference to a "Sequence Listing": not applicable.

Contents:

- Sheet 1-Title
- Sheet 2-Drawing Preview
- Sheet 3-Abstract
- Sheet 4,5-Claims
- Sheet 6,7-Background, Summary of Invention
- Sheet 8,9- Brief Description of the Drawings, Detailed Description,
- Sheet 10- Oath
- Sheet 11-Detailed Drawing, Fig. 1, 2, 3.
- Sheet 12-Detailed Drawing Fig. 4, 5.
- Sheet 13-Detailed Drawing Fig. 6, 7.

GENERAL DRAWING PREVIEW:

INVENTOR: JAMES C. MARTINEC



NOTE: NOT TO SCALE
MEASUREMENT VARIATION RANGE AS LISTED

Abstract

A cylinder shaped apparatus used for massaging a person's body parts. The user lays back over the Body Massage Cylinder Apparatus in a horizontal position parallel to the ground and knees bent. The user slides his/her body back and forth over the apparatus with the use of his/her legs. The ribbed and semi-pointed surfaces coupled with the weight of the users body and sliding motion massages the associated areas in the back, however not limited to the back, many other body areas may be massaged. The apparatus has the ability to adjust the height and pressure by an inlet air valve located on the side. This allows the apparatus to adapt to the users body shape and comfort level by adding or releasing air. The unique uni-body constructed cylinder design and proper height off the ground are key elements of the invention stabilizing the user during massaging, exercising and stretching.

Claims:

1. (Currently amended) A body massage cylinder apparatus comprising:
 - (a) a uni-body designed apparatus constructed from a resilient rubber material forming a cylinder shape supported by an air chamber, constructed with no separate moveable or removable main components[.] ;
 - (b) dimensioned with a free standing vertical height between [12.0 to 22.0] 10 to 15 inches, such that the user is at an intended height off the ground plane, during use and massage facilitation[.] ;
 - (c) dimensioned with a free standing width between 24.0 to [28.0] 26 inches, such that the [user] user's lateral body is securely fitted and submerged within the said body massage cylinder apparatus when bi-secting [the] an elongated edge circumference of the said body massage cylinder apparatus[.] ;
 - (d) dimensioned with a free standing circumference between [12.0 to 22.0] 10 to 15 inches, such that the mass and size of the said body massage cylinder apparatus are sufficient to support the user in a proper position during exercise use, stretching and massage facilitation[.] ;
 - (e) the circumference area, being the "shell" of the said body massage cylinder, consisting of ribbed and semi pointed formed surfaces spaced in an alternating pattern which radiates outward from the circumference measuring between .25 to .75 inches which administer a massaging action during use[.] ;
 - (f) an inflatable means comprising an inlet air valve to allow for adjusting the height and firmness by increasing or decreasing air pressure.
2. A body massage cylinder apparatus defined in claim 1, wherein a rubber material is pre-formed into a cylinder shaped uni-body constructed apparatus which allows a sufficient air pressure and support for body massage usage, exercise use and stretching.
3. A body massage cylinder apparatus defined in claim 2, wherein a rubber material is pre-formed into a cylinder shaped uni-body constructed apparatus with a shell consisting of protruding linear ribbed formations which extend from side to side across the entire shell and protruding semi-pointed coned surfaces arraying from side to side across the entire shell, further more, these cones and ribbed formations are sufficiently spaced and alternate their patterns along the circumference of the said body massage cylinder apparatus.

4. (Currently amended) A body massage cylinder apparatus defined in claim 1, wherein the said body massage cylinder apparatus is constructed:
 - (a) in a symmetrical uni-body design which yields a top surface parallel to the ground plane and size, giving the user optimum balance and control[.] ;
 - (b) With the proper height off the ground plane and the size of the apparatus are key design elements, coupled with the ability to modify the height and firmness of the apparatus by adjusting the air pressure via an air inlet allowing the user to obtain maximum body surface contact during massage usage, exercise use and stretching.

BACKGROUND OF THE INVENTION

1. This invention is relative to the healthcare, relaxation and exercise fields and more directly to an apparatus designed for massaging certain areas of the body.

2. There are great benefits to massaging the body: relaxation, stress relief, better circulation, increased flexibility and overall health. This apparatus pertains to the massaging of the body and more particularly to be able to massage many areas of your body by yourself at home, but not limited to home use or the use of additional persons.

Using the apparatus massages can be accomplished easily and inexpensively in the comfort of your own home. The intent of this invention is not to replace other methods of massage but to offer alternatives to how massage can be facilitated and more frequently obtained.

3. This particular said body massage cylinder apparatus is well needed in the massage field. The unique uni-body construction cylinder shape allows the apparatus to be very stable under use so the user does not tip over. Further more, due to the height off the ground, it will be easy for elderly people to use safely. Other inherited design features are light weight, moderately inexpensive to manufacture, easy to use, extended body mass massage area and the calmness and simplicity of using it.

SUMMARY OF INVENTION

The primary objective of this said invention, body massage cylinder apparatus is to provide a self sustaining apparatus consisting of uni-body construction which is safe to use and would require minimum balance for administering a body massage to your self by yourself.

The secondary objective of this invention is to provide an apparatus, which will allow for easy and frequent body massages. Frequent being relative to the user, the typical usage objective would be daily, but not limited to extended use.

An additional objective of this said invention is to provide an relatively inexpensive apparatus for administering a body massage to your self by yourself.

An additional objective of this said invention is to provide an apparatus with the capability to massage your neck and back.

An additional objective of this said invention is to provide an apparatus with the capability to massage your stomach and chest.

An additional objective of this said invention is to provide an apparatus with the capability to massage your legs.

Another use of this said invention is the ability to stretch over it and use it as a moderate stretching device.

Another use of this said invention is the product of exercise extended from the use of the apparatus during stretching and massaging.

Another use of this said invention is to provide an apparatus which allows facilitation of different forms of exercise movements and techniques.

To summarize the above mentioned claims and objectives of this said invention, a body massage cylinder apparatus can be used for self-administered body massage, stretching and exercise. The intent of this invention is to supply an apparatus, which helps establish and maintain overall health and stress relief to an individual through massage, stretching and exercise.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG.1 is a front view of the purposed invention “apparatus” which illustrates the physical shape and contours of the invention.

Fig. 2 is a side view of the purposed invention, which illustrates the physical shape and contours of the invention and location of air inlet.

Fig. 3 is a close up view of the circumference of the invention to help illustrate the suggested contours.

Fig. 4 is a side view which illustrates the use of the apparatus as a back torsal massage by the user.

Fig. 5 is a side view which illustrates the use of the apparatus as a front torsal massage by the user.

Fig. 6 is a side view which illustrates the use of the apparatus as a side body massage by the user.

Fig. 7 is a front view which illustrates a body cross section to show how the apparatus forms to the side of the body during use.

Note: slight adjustments may need to be made to allow for the optimum design and are not limited to the drawing specifications.

DETAILED DESCRIPTION

As best shown in Fig. 1, 2 and 3, the body massage cylinder apparatus (1) constructed from a pre-formed rubber material with ribbed shaped formations (3) and semi-pointed formations (2) which array outward from the circumference of the massage cylinder apparatus (1). The height off the ground of the body massage cylinder apparatus (1) referenced in Fig.1 and shown in Fig. 4, 5, 6 and 7 is dimensioned to facilitate easy and safe use of the body massage cylinder apparatus. The height can be additionally adjusted by releasing or adding air via the air inlet valve (4).

During use, the body massage cylinder apparatus (1) is placed on the floor (6) and then utilized by the user (5) as shown in Fig. 4 and Fig. 7. The user (5) slides back and forth on a horizontal axis (13) using his/her legs (7) and thereby administering massage to the users (5) back torsal area (8) when the ribbed surface (3) and semi pointed surface (2) rotate across the users (5) back torsal (8) at the point of body contact. Additionally shown in Fig. 7, is how the body massage cylinder apparatus (1) forms to the users body (11) and (12) for additional side massage contact, this particular feature is derived directly from the cylindric uni-body design of the apparatus.

Fig. 5 illustrates another massage use of the said body massage cylinder apparatus (1), the user (5) by laying over the apparatus (1) in the prone position on users hands (16) and knees (15) then sliding back and forth massages the front torsal (9), in addition by lifting the knees (15) the user can include massage of the upper legs (19).

Fig. 6 illustrates another massage use of the body massage cylinder apparatus (1), the user (5) by laying over the apparatus (1) on the users side (10), balanced by the users arm (18) and feet (17) slides back and forth massaging the sides (10) of the body.

A detailed description of the suggested and preferred design of the invention is provided herein. However, the said invention may be embodied in different forms. Therefore, specific details disclosed herein shall not be limiting, but represent the claims and objectives set forth within, for the uni-body cylinder shape design of the said body massage cylinder apparatus is the main design focus of the invention which allows for increased body surface contact as well as comfortable and safe massage usage.



PAGE 11 OF 13

TITLE: BODY MASSAGE CYLINDER APPARATUS
INVENTOR: JAMES C. MARTINEC

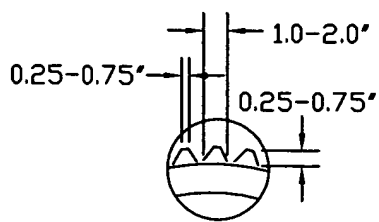
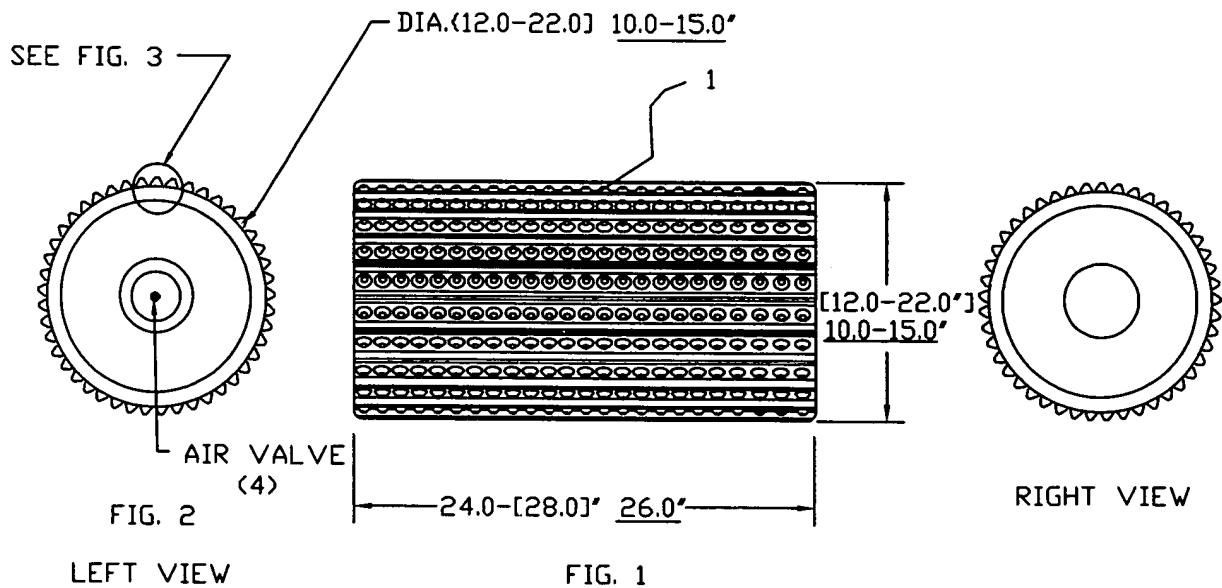


FIG. 3



FRONT VIEW
(NOTE: SAME AS TOP AND BOTTOM VIEW)

NOTE: NOT TO SCALE
MEASUREMENT VARIATION RANGE AS LISTED

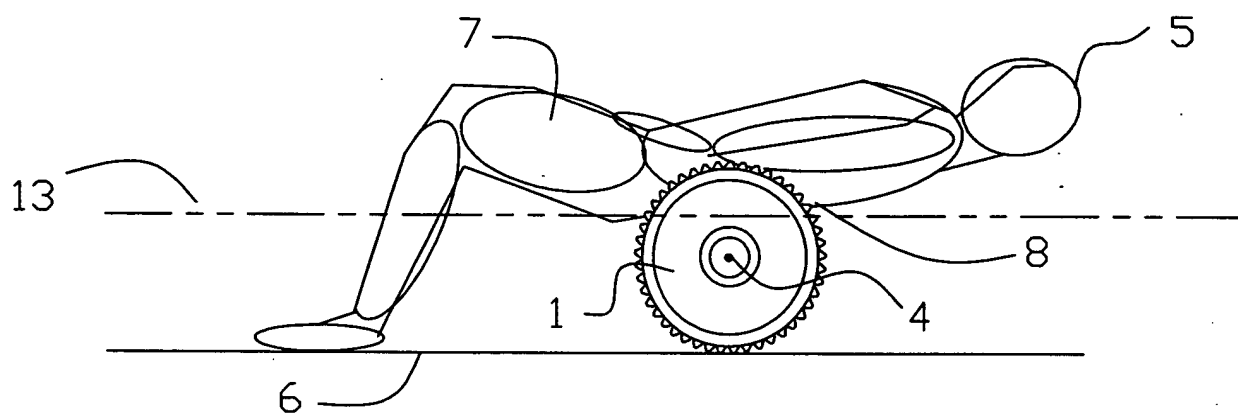


FIG. 4

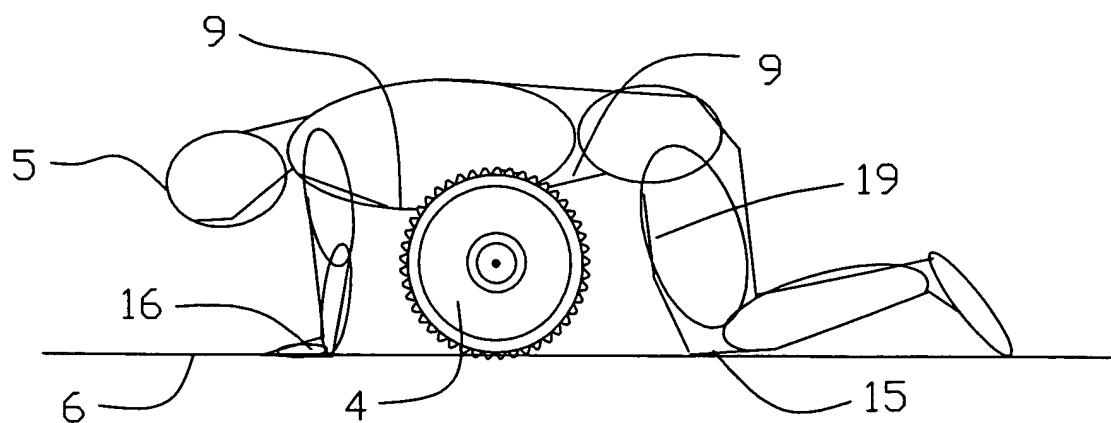


FIG. 5

+

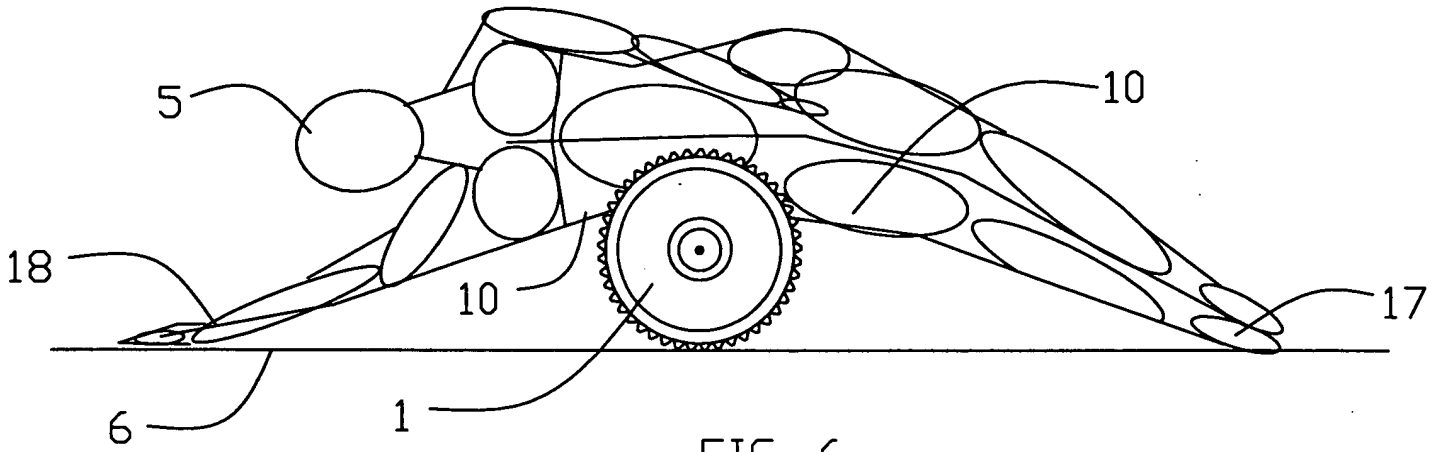


FIG. 6

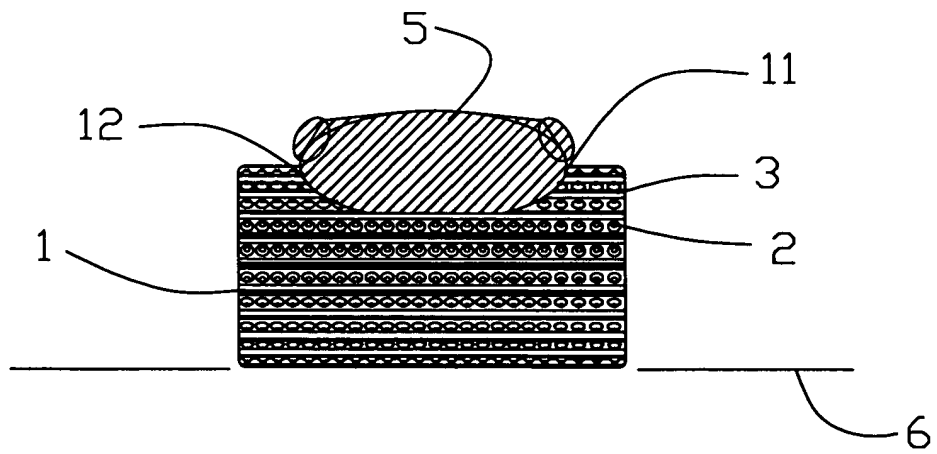



FIG. 7

+

Oath:

I James Clement Martinec resident of 15922 Pilgrim Circle Huntington Beach, Ca. 92647, U.S.A. and U.S. born citizen believes to be the original and first inventor of the subject matter of this application, the said invention an apparatus referred to as the "body massage cylinder apparatus". My conception of this design was documented on 5/17/99 in writing and notarized. That document was mailed to my self. I also regret that I was delayed on the start of my patent application due to family and work matters. The dates listed below reflect the starting date of my application of a patent for the "body massage cylinder apparatus" invention.

Patent Application Date: 11/23/01

Inventor Signature: 

Oath Sign Date: 3/18/2005